

ENGINE

ABSTRACT

5 An engine has a block, an output shaft mounted to rotate
within the block, a profiled cam attached to or formed
integrally with the output shaft, a number of bores in the
block extending in radial directions away from the output
shaft, a respective reciprocating piston within each bore
10 and defining an expansion volume within the bore at one
side of the piston, a respective fixed push bar extending
from each piston toward the output shaft, and inlet and
exhaust ports communicating with the expansion volume.
There is a valve at each inlet port, and a combustion
15 manifold within which a pressurised fuel-air mixture
ignites before entry via the inlet ports to the respective
expansion volumes.